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Revision Date:

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

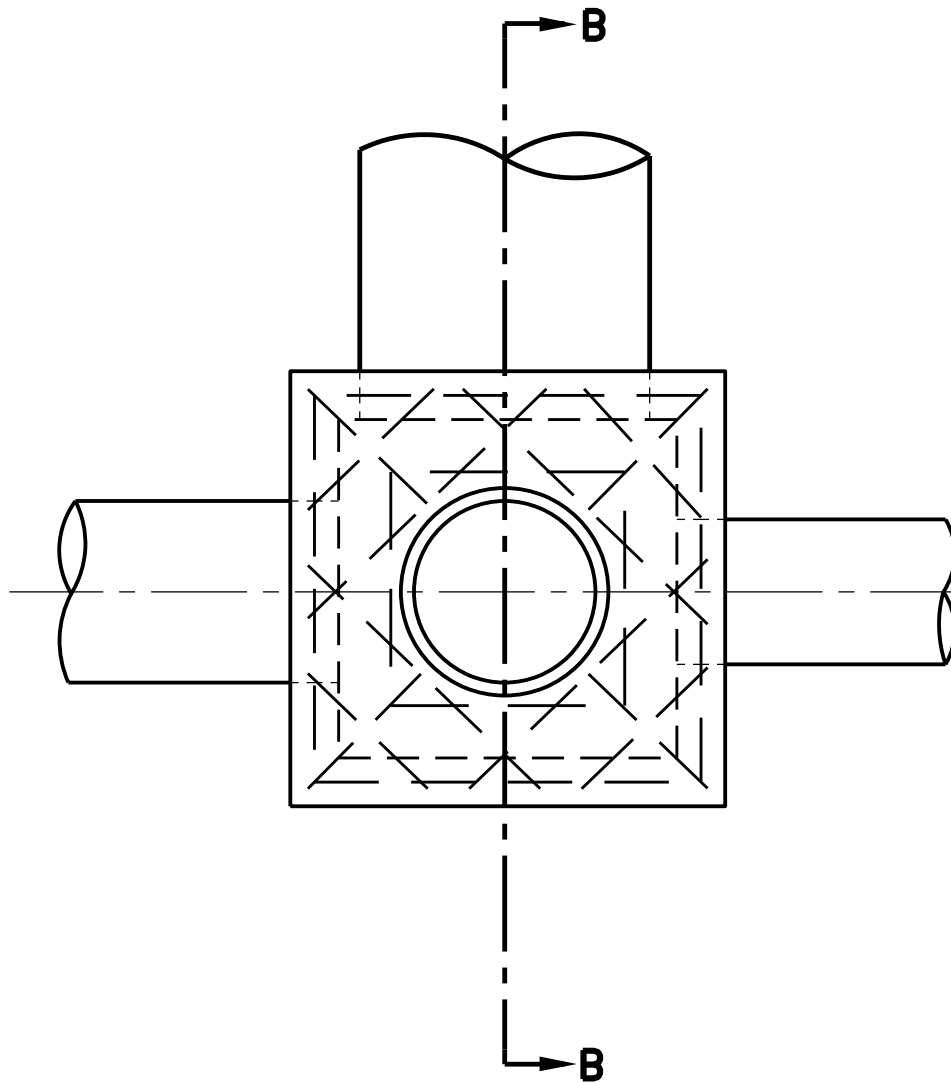
Project No. : STANDARD-DETAILS

  
**GARLAND**  
ENGINEERING  
STANDARD DETAILS

TYPE I JUNCTION BOX  
PLAN/SECTION

PAGE

1



**STRUCTURAL PLAN**

2  
5

Revision Date:

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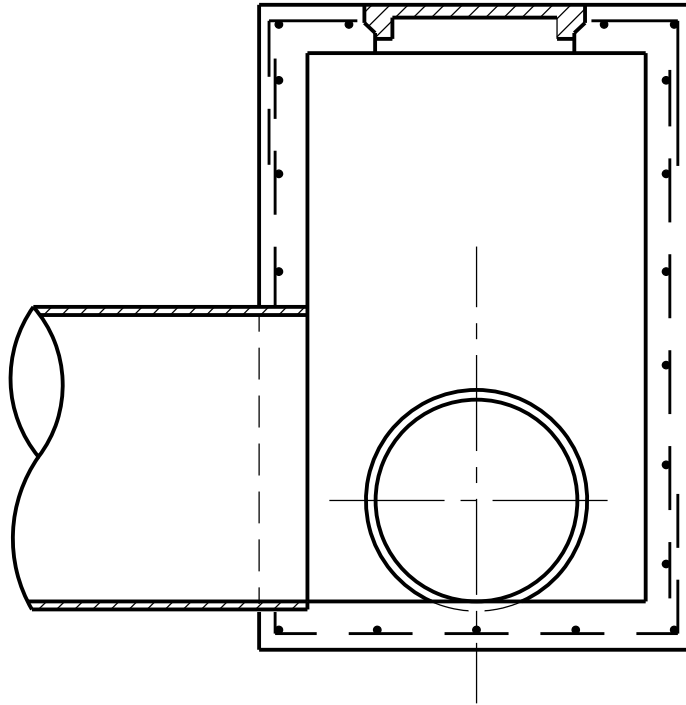
Project No. : STANDARD-DETAILS



**TYPE I JUNCTION BOX  
STRUCTURAL PLAN**

PAGE

**2**



**SECTION B-B**

3  
5

Revision Date:

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

Project No. : STANDARD-DETAILS

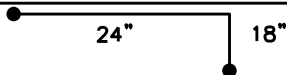
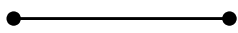
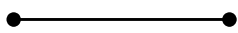
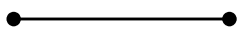
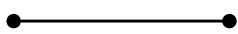
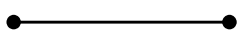
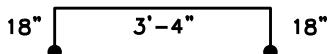
  
**GARLAND**  
ENGINEERING  
STANDARD DETAILS

**TYPE I JUNCTION BOX  
SECTIONS**

PAGE

**3**

## TYPE I REINF. TABLE

ITEM	SIZE	QUANTITY	LENGTH	REMARKS
BARS    A	NO. 5	4		
B	NO. 4	VARIES	4'-2"	
C	NO. 3	4	2'-0"	
D	NO. 3	4	3'-4"	
E	NO. 3	4	2'-4"	
F	NO. 3	16	VARIES	
G	NO. 3	10		

4  


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5

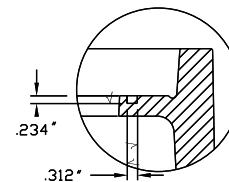
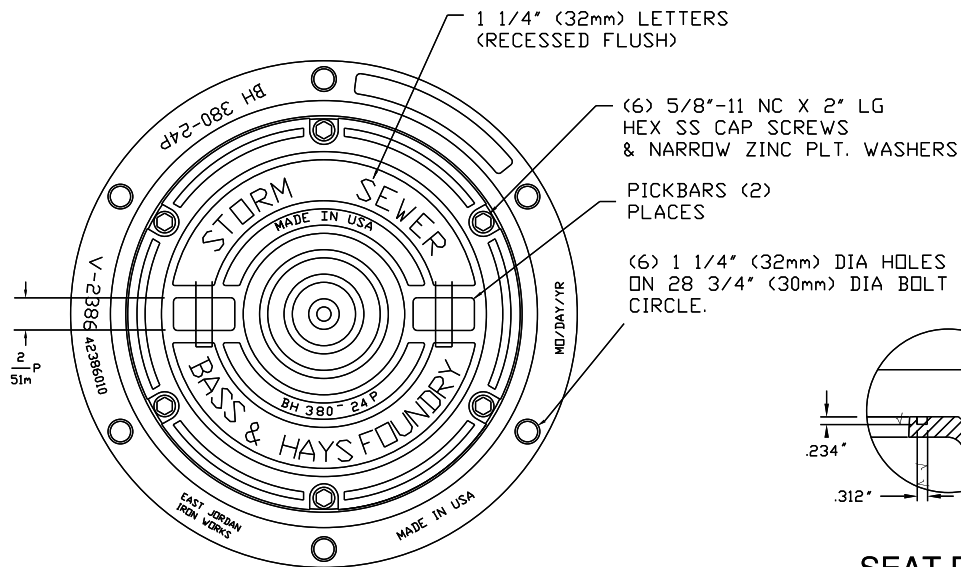
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Scale : N/A    Date : 02/21/05  
Design : COG  
Drawn : COG  
Dwg. File : JUN\_001.DWG  
Project No. : STANDARD-DETAILS

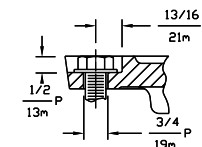
  
**GARLAND**  
ENGINEERING  
**STANDARD DETAILS**

TYPE I JUNCTION BOX  
REBAR CHART

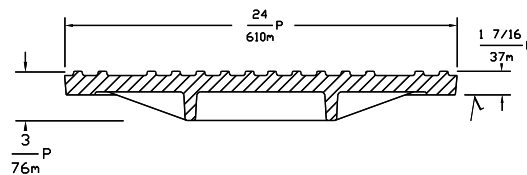
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**4**



SEAT DETAIL

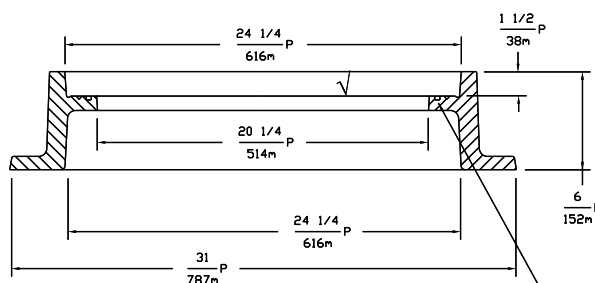


BOLT HOLE SECTION



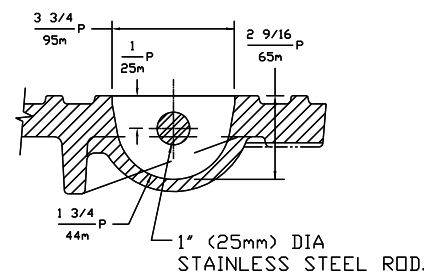
COVER SECTION

✓ MACHINED SURFACE



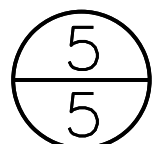
FRAME SECTION

5/16" DIA BUNA-N  
O-RING GASKET



PICKBAR DETAIL

<b>380-24 P</b>
COVER: 160 LBS 73kg
FRAME: 210 LBS 95kg
ASSY : 370 LBS 168kg

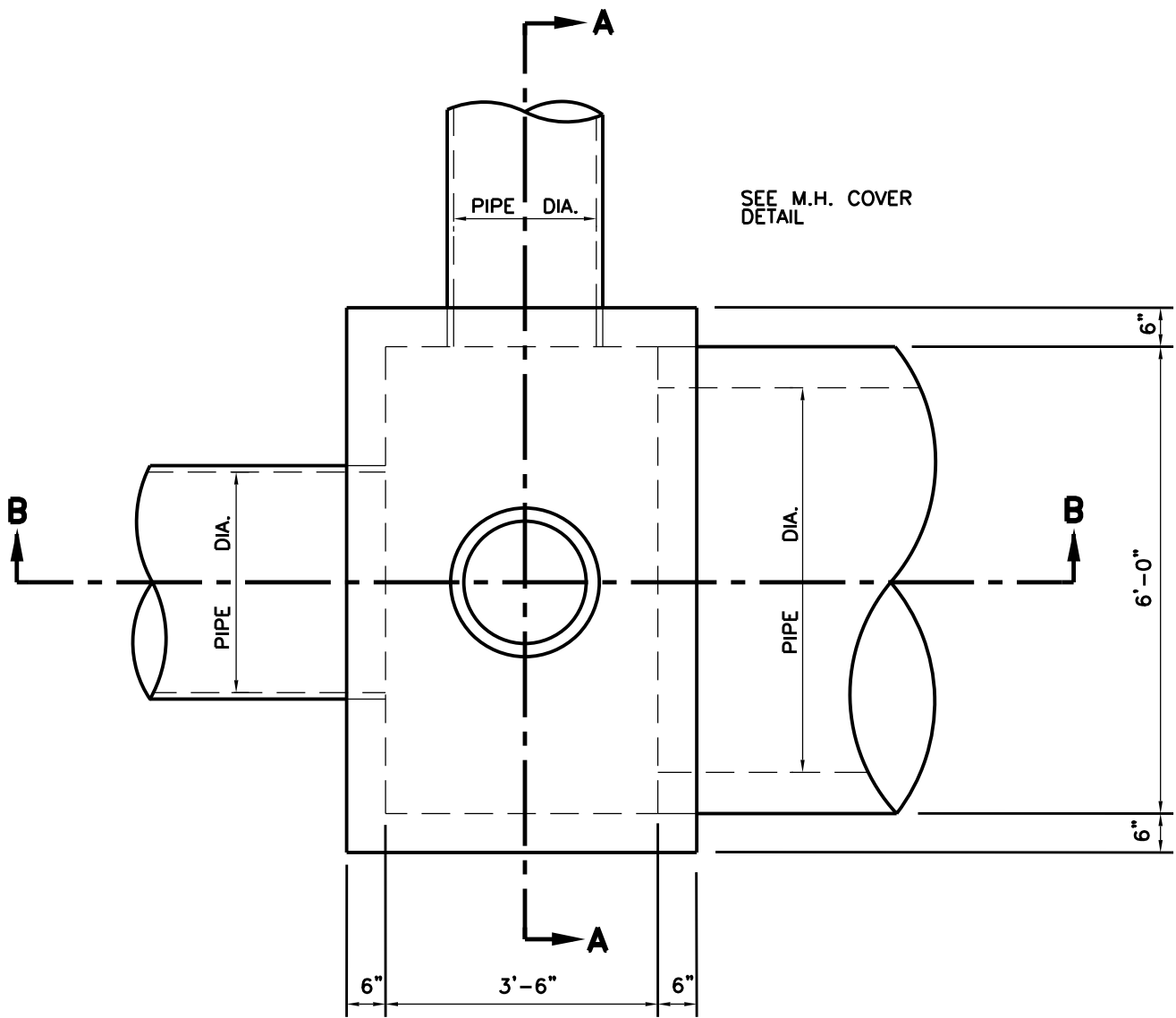


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Design : COG  
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Dwg. File : DETAIL\_SHEET\_8.DWG  
Project No. : STANDARD-DETAILS



## TYPE I JUNCTION BOX FRAME AND COVER

PAGE  
**5**



**PLAN**

1  
5

Revision Date:

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

Project No. : STANDARD-DETAILS

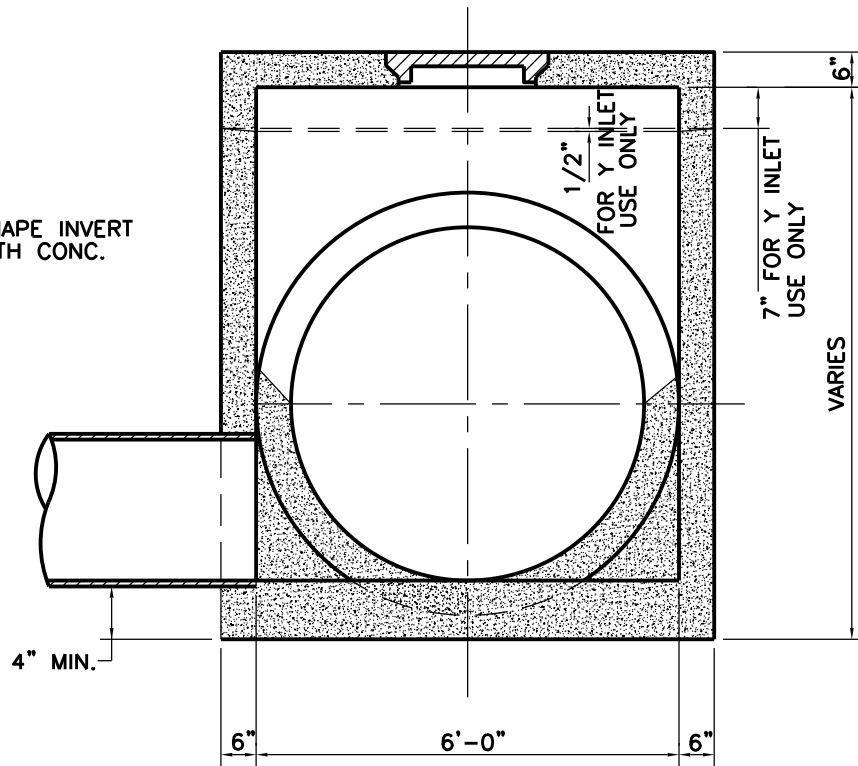
  
**GARLAND**  
ENGINEERING  
STANDARD DETAILS

**TYPE II JUNCTION BOX  
PLAN**

PAGE

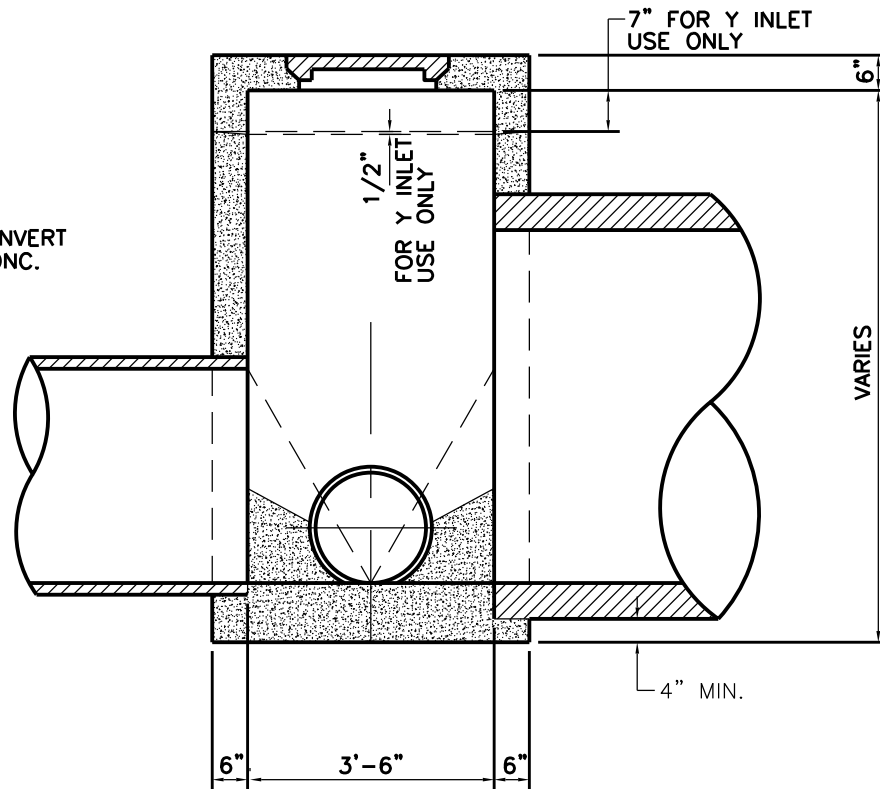
**6**

SHAPE INVERT  
WITH CONC.



## SECTION A-A

SHAPE INVERT  
WITH CONC.



## SECTION B-B

2  
5

Revision Date:

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

Project No. : STANDARD-DETAILS

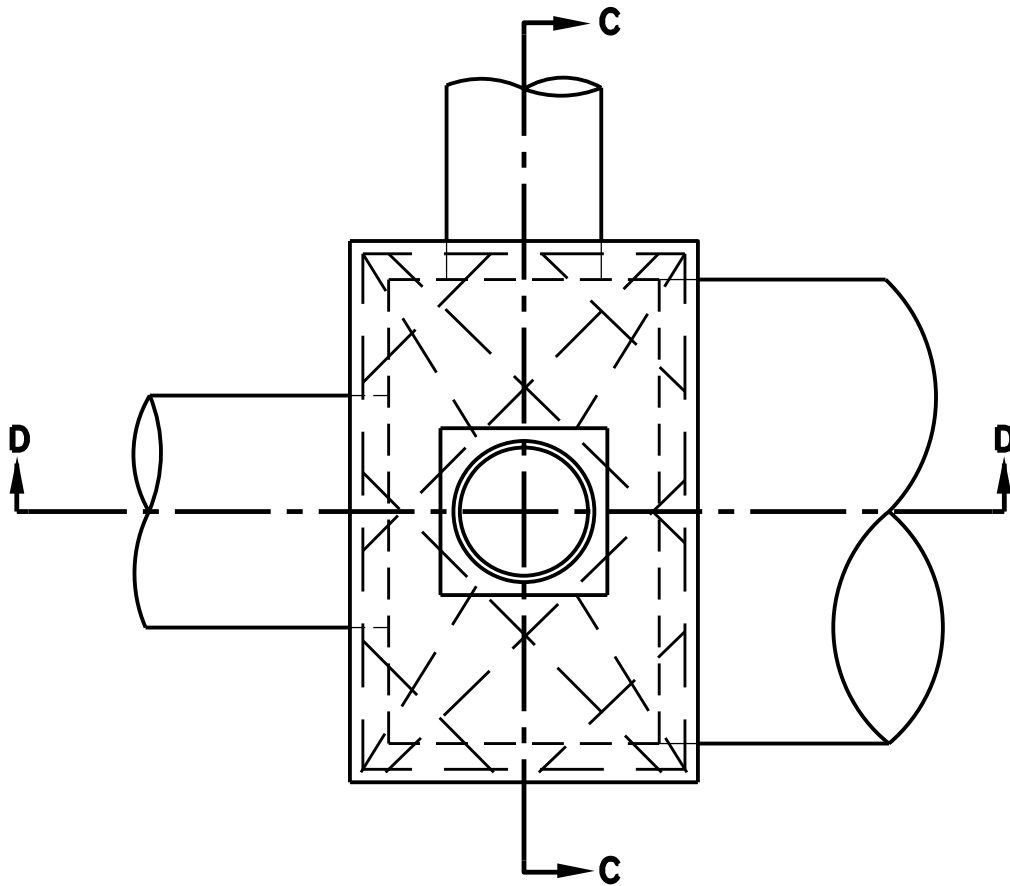


STANDARD DETAILS

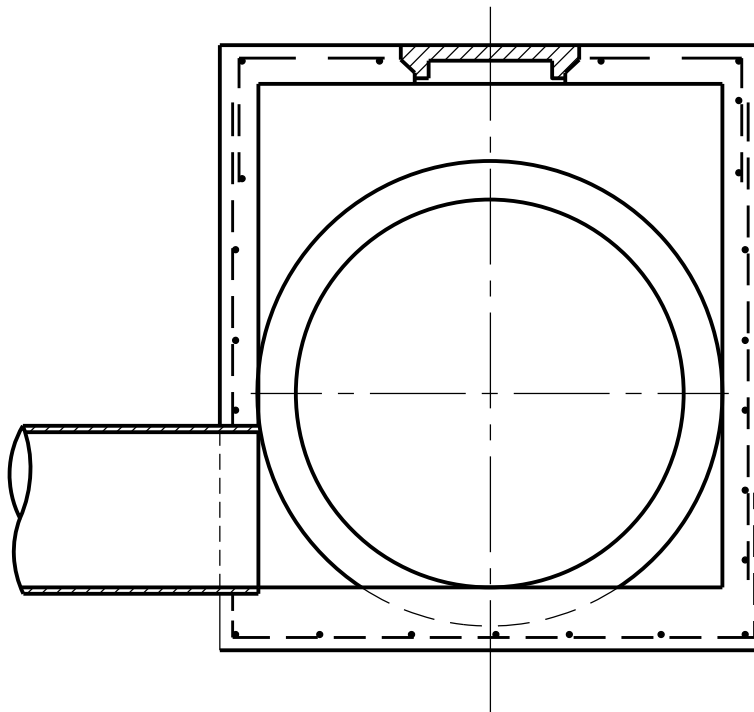
TYPE II JUNCTION BOX  
SECTIONS A-A & B-B

PAGE

7



**STRUCTURAL PLAN**



**SECTION C-C**

3  
5

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

Project No. : STANDARD-DETAILS

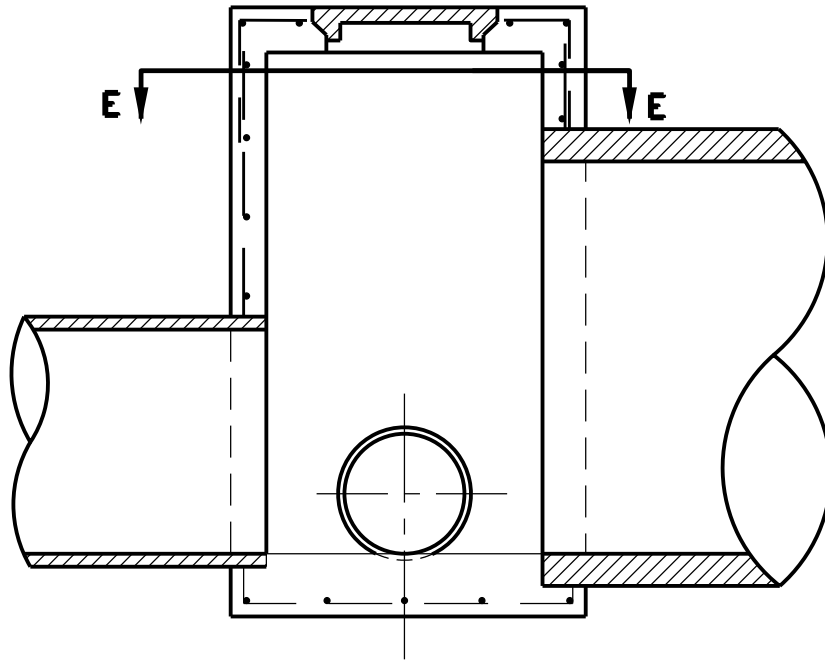
  
**GARLAND**  
ENGINEERING  
STANDARD DETAILS

**TYPE II JUNCTION BOX  
STRUCTURAL PLAN/SECTION**

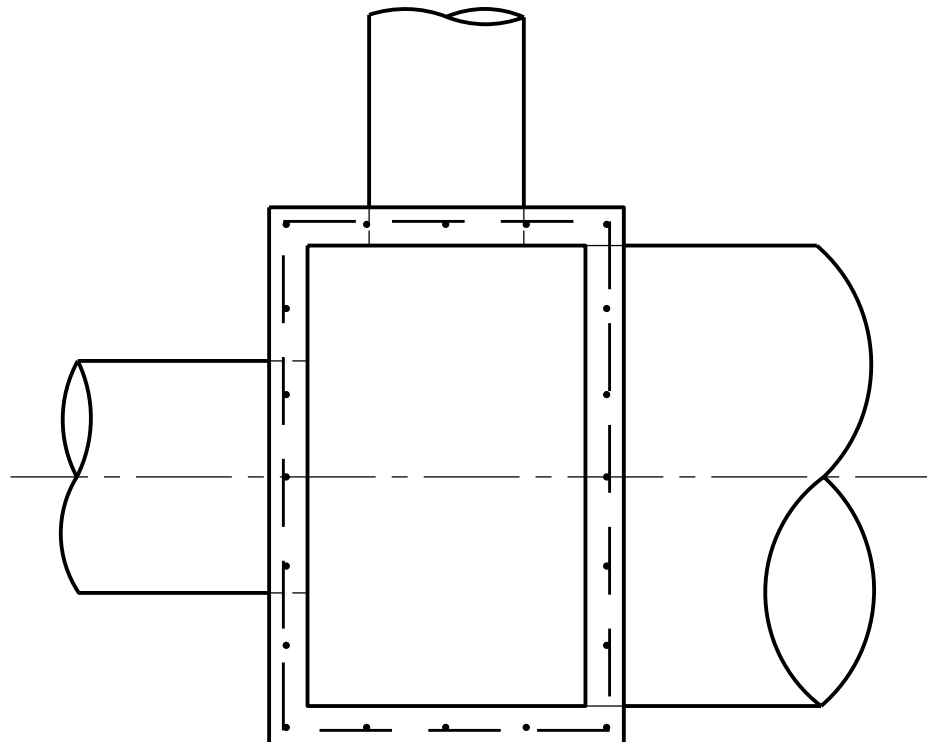
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**SECTION D-D**



**SECTION E-E**

4  
5

Scale : N/A Date : 02/21/05

Design : COG

Drawn : COG

Dwg. File : JUN\_001.DWG

Project No. : STANDARD-DETAILS


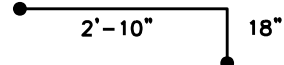





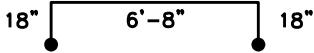
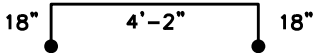
  
**GARLAND**  
ENGINEERING  
STANDARD DETAILS

**TYPE II JUNCTION BOX  
SECTIONS D-D & E-E**

PAGE

**9**

## TYPE II REINF. TABLE

ITEM	SIZE	QUANTITY	LENGTH	REMARKS
BARS    A	NO.   4	VARIES	4'-2"	
B	NO.   3	2	8'-8"	
C	NO.   5	4		
D	NO.   3	4	2'-6"	
E	NO.   3	2	8'-8"	
F	NO.   3	4	2'-4"	
G	NO.   4	VARIES	6'-8"	
H	NO.   3	20	VARIES	
J	NO.   3	5		
K	NO.   3	7		

5  
5